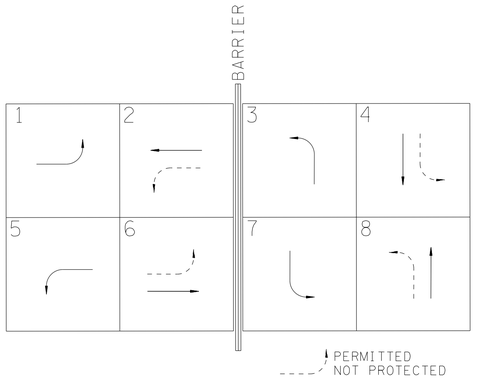
TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
CONST.	2014	PHSIP-2(237)	6



EIGHT PHASE DESIGNATIONS

PHASING NOTES

(1) MIN RECALL: Ø2,Ø6
(2) PROTECTED/PERMITTED LEFT TURN: Ø1, Ø5
(3) ALL SIGNAL DISPLAYS AND CLEARANCES SHALL BE IN ACCORDANCE WITH THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES

BASIC OR SEMI-ACTUATED TIMING (SECS)

PHASE	INITIAL INTERVAL	VEHICLE INTERVAL	MAX I (AM)	MAX I (PM)	CLEARANCE		PEDESTRIAN		RECALL TO	MEMORY POSITION (1)	LEFT TURN OPERATION (2)
					YELLOW	ALL RED	WALK	FLASHING DON'T WALK			
1	6.0	3.0	14.0	14.0	3.0	2.5	–	–	–	NL	P/P
2	20.0	3.0	38.0	43.0	4.5	1.5	–	–	MIN.	–	–
3	6.0	3.0	12.0	12.0	3.0	2.5	–	–	–	L	P/P
4	10.0	3.0	26.0	31.0	4.5	1.5	–	–	–	–	–
5	6.0	3.0	26.0	12.0	3.0	2.5	–	–	–	NL	P/P
6	20.0	3.0	26.0	45.0	4.5	1.5	–	–	MIN.	–	–
7	6.0	3.0	12.0	12.0	3.0	2.5	–	–	–	L	P/P
8	10.0	3.0	26.0	31.0	4.5	1.5	–	–	–	–	–

NOTE: TIMINGS ARE INITIAL AND MAY BE ADJUSTED BY THE CONTRACTOR BASED ON FIELD OBSERVATIONS TO PROVIDE EFFICIENT OPERATION.

(1)NL = NON LOCK
L = LOCK

(2) PERM = PERMITTED
PROT = PROTECTED
P/P = PROT/PERM

LOOP AND AMP ASSIGNMENT CHART

LOOP NO.	SIZE	PHASE	MODE	DISTANCE FROM STOP BAR	NUMBER OF TURNS
2-1	6'X6'	2	PULSE	285'	3
4-1	6'X6'	4	PULSE	285'	3
6-1	6'X6'	6	PULSE	285'	3
8-1	6'X6'	8	PULSE	285'	3

LOOP DETECTOR NOTES

(1) ALL LOOPS ARE 6' IN WIDTH CENTERED IN TRAFFIC LANE.

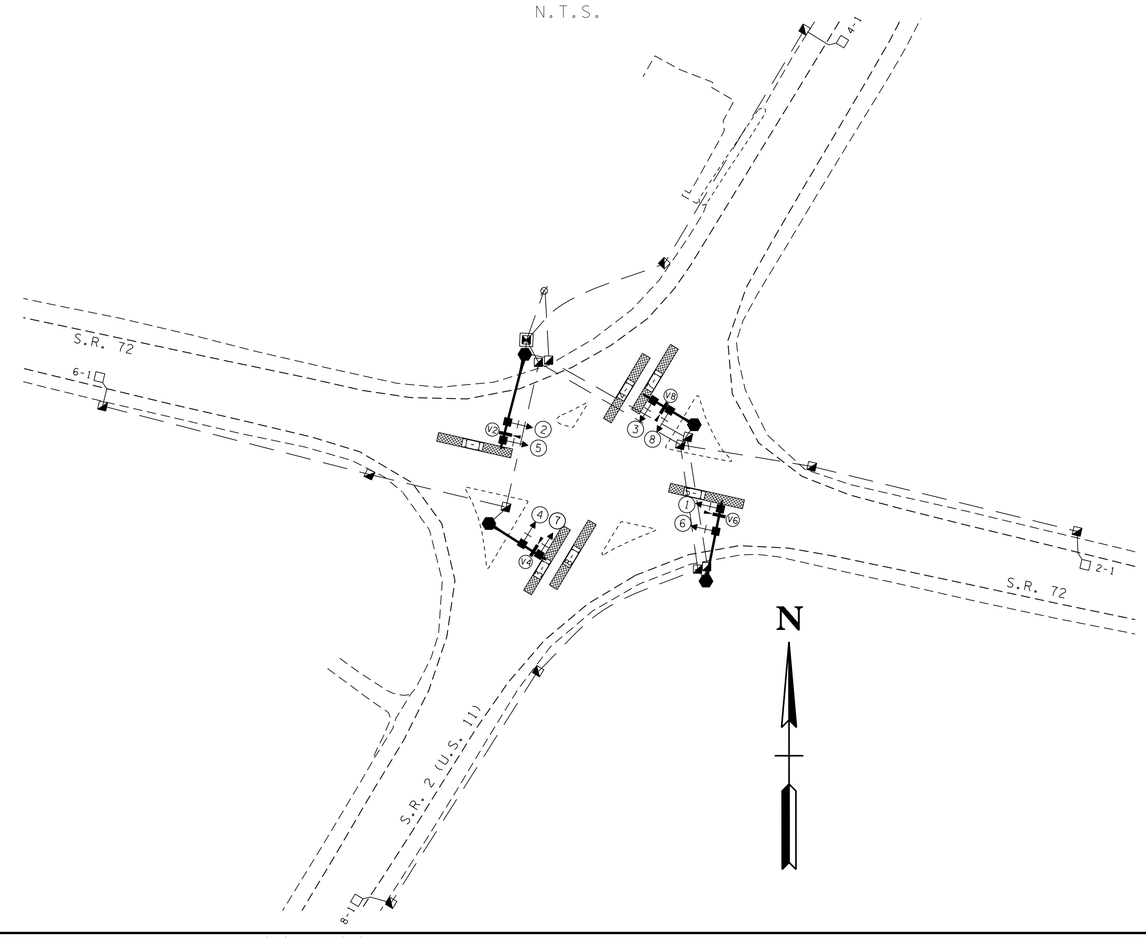
(2) LOOP WIRE CONNECTIONS SHALL BE WIRED TO PROVIDE THE APPROPRIATE INDUCTANCE AS REQUIRED BY STD. DWG. T-SG-3.

VIDEO DETECTION ASSIGNMENTS

ZONE ASSIGNMENT	SIZE	PHASE	MODE	DISTANCE FROM STOP BAR	DETECTION UNIT
1-1	6'X50'	1	PRESENCE	5'	V6
3-1	6'X50'	3	PRESENCE	5'	V8
4-1	6'X50'	4	PRESENCE	5'	V4
5-1	6'X50'	5	PRESENCE	5'	V2
7-1	6'X50'	7	PRESENCE	5'	V4
8-1	6'X50'	8	PRESENCE	5'	V8

DETECTION LOOP NUMBERING

N.T.S.



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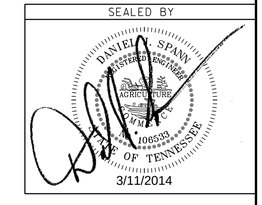

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

SIGNAL DETAILS

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